

<b>Type of Meeting:</b>	Weekly Construction Progress Meeting
<b>Project Name:</b>	EMJ Early Action Removal Action
<b>Anchor Project #:</b>	080224-01.02
<b>Meeting Location:</b>	Pacific Pile & Marine Trailer at JFC Facility

<b>Date</b>	<b>Start</b>	<b>End</b>	<b>Meeting Led By:</b>	Mike Roberts
9/3/14	10:00 am	10:47 am	<b>Meeting Note-Taker:</b>	Mike Roberts

**Attendees:** All attendees listed will receive a copy of the meeting notes.

Farallon	Anchor QEA	Pacific Pile & Marine (PPM)	EPA / USACE
<input checked="" type="checkbox"/> Amy Essig Desai (t)	<input checked="" type="checkbox"/> Mike Roberts	<input checked="" type="checkbox"/> Wilbur JC Clark	<input checked="" type="checkbox"/> Becky Chu (EPA)
<input checked="" type="checkbox"/> Rich McManus (t)	<input checked="" type="checkbox"/> Ryan Barth	<input checked="" type="checkbox"/> Marty Locke	<input checked="" type="checkbox"/> Erika Hoffman (EPA) (t)
<input type="checkbox"/>	<input type="checkbox"/> David Templeton	<input type="checkbox"/>	<input type="checkbox"/> Karen Keeley (EPA)
<input type="checkbox"/>	<input checked="" type="checkbox"/> Elizabeth Appy (t)	<input type="checkbox"/>	<input type="checkbox"/> Rob Wilkins (USACE)
<input type="checkbox"/>	<input type="checkbox"/> Bruce McDonald	<input type="checkbox"/>	<input type="checkbox"/> David Clark (USACE)
	<input checked="" type="checkbox"/> Ross Pickering (t)		
	<input checked="" type="checkbox"/> Kyle King		

(t): Participated by telephone

## Discussion:

### Summary of Work Elements

A look ahead schedule was provided by Pacific Pile & Marine (PPM), and is attached to these meeting notes. Following is a review of the schedule and subject matter to the specific areas of the project. Placement of armor stone is shown completing on September 11. Placement of the rip rap may be needed during a limited time at night. This will require a Removal Action Work Plan (RAWP) modification (see discussion below). Project final completion is shown as September 23, 2014 with the installation of the permanent fencing. The schedule does not depict the demobilization of the PPM transload facility.

#### 1. Shoreline Bank Excavation

- a. Complete

#### 2. Transload facility at PPM yard.

- a. Transloading completed.
- b. Demolition of the transload facility will be in 2 to 3 weeks. Not shown on schedule.

#### 3. In-water Dredging.

- a. Complete.

#### 4. In-water Backfill Placement

- a. A full load from the Eglon barge, approximately 2,500 Tons, is being placed today. An additional load will be placed on Friday. This should complete the backfill operations.

#### 5. Shoreline containment

- a. Filter material should be complete today. Though there was an approved RAWP modification for night time work, no night work has been used or is planned by PPM for the filter and backfill placement.
- b. Rip rap scheduled for placement on Thursday and Friday from the waterside. The PPM schedule indicates that placement of armor stone (rip rap) will be complete on September 11. Next week will primarily involve the placement of rip rap. The in-water work will be complete first and then followed by the upland work to place the material from the shore. JC (PPM) indicated that night work will be needed to meet schedule, with work hours until 9:00 pm from September 8 through 11. Becky (EPA) reminded PPM that rip rap placement at night would require a RAWP modification, as the current RAWP modification was specific to placement of backfill material. The primary change in the RAWP modification would be the dates and times of the work, notification to the public, and the type of material to be placed. Mike (Anchor QEA) asked if there is any way to complete the rip rap work by the September 6, 2014. JC indicated that it was not possible.

**6. General Decontamination**

- a. Office trailers scheduled to be hauled off the Jorgensen site on September 15, 2014. All PPM equipment and gear will be offsite by September 16 or 17. The fencing subcontractor is tentatively scheduled to start September 15.
- b. Wheel wash water has been tested and chemical results have been provided to JC. JC to provide information for the approximate 2,000 gallons of water to EPA for review, and then obtain approval for the disposal of that water in accordance with the Offsite Rule.
- c. The KP 2 and KP 3 barges are being decontaminated.

**7. Water Treatment Barge**

- a. Water treatment is complete.
- b. PPM to sample and test granular activated carbon (GAC) and sand filter media to determine chemical concentrations. JC to submit a decontamination plan for the WTB. This will include disposal procedures and include contingencies that address the findings of the test results. The plan should include disposal plan if the material is found to be either subtitle C or subtitle D material. JC verbally discussed the plan, but it needs to be submitted in writing. Following the meeting, Becky Chu provided information that indicates that... *"facilities for which EMJ has OSR approval are: Columbia Ridge, Chemical Waste Management of the NW, Greater Wenatchee Regional Landfill and Recycling Center and US Ecology Idaho. If any of the waste from the site is intended to go to another facility for disposal- EMJ needs to follow up with EPA on this before the material can be shipped off-site."* (per e-mail).

**8. Water Quality.**

- a. A water sample was collected from the sheen witnessed on Friday during the sheet pile removal and submitted to the lab for analysis of total petroleum hydrocarbons (TPH), polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs). Results are expected by the end of this week.
- b. There have been two potential Total PCB chronic criterion exceedances attributed to the dredging activities—one on August 12 and one on August 19—as indicated by results above the chronic criterion at the 150 foot compliance stations. These potential exceedances triggered additional analyses of Total PCBs at the 300 foot compliance stations, which is the point of compliance for chronic criteria, to further evaluate the potential exceedances. The results of the additional analyses are provided below for each day:
  - a. August 12: Exceedance of chronic criterion at the 150 foot compliance station triggered the analysis of the 300 foot compliance station sample at the same time/depth as the 150 foot sample. The 300 foot compliance station sample result was also above the Total PCBs chronic criterion, which triggered the analysis of the remaining samples collected at the 300 foot compliance stations on August 12<sup>th</sup> for a 1-hour average concentration since only one round of monitoring occurred on August 12<sup>th</sup>. The 1-hour average concentration also indicates a potential exceedance of the Total PCBs chronic criterion. The chronic criterion for Total PCBs is based on a 24 hour average concentration. There are 8 additional samples from the 300 foot compliance stations collected on August 11<sup>th</sup> within 24 hours of the samples collected on August 12<sup>th</sup> that could be analyzed to further evaluate the potential exceedance. Erika Hoffman (EPA) stated that this should be evaluated internally with EPA (Erika, and Becky Chu) and Ecology (Laura Inouye), indicating that this additional testing may not be a good expenditure of funds. Erika also indicated to the group that this is a minor potential exceedance that is not a big deal and that overall the water quality on this project has been good. After the meeting, Erika contacted Elizabeth Appy (Anchor QEA) after discussions with Becky and Laura (Ecology) and indicated that additional analyses would be needed to further evaluate the potential exceedance. Therefore, the 4-300 foot compliance samples collected from Round 2 of monitoring on August 11<sup>th</sup> are currently being analyzed (as a composite sample) and the result will be averaged with the results already obtained on August 12, 2014 to further evaluate the potential exceedance.
  - b. August 19: Exceedance of chronic criterion at the 150 foot compliance station triggered the analysis of the 300 foot compliance station sample at the same time/depth as the 150 foot sample. The 300 foot compliance station sample result was below the Total PCBs chronic criterion. Therefore, no additional analyses are necessary.

### 9. Change Orders.

- a. Change Order No. 4. Over-excavation and associated backfill. TerraSond is now calculating the volumes and will provide them to Anchor QEA for review and to aid in preparing the change order.

### 10. Progress payment

- a. PPM to submit Progress Payment 04 to Anchor QEA later today.
- b. PPM Progress Payment 03 has been forwarded to the Owner for processing.
- c. PPM will review their records to see if they received payment for Progress Payment 02. JC will verify if payment has been made to PPM. Amy did not have an indication if payment had been made to PPM.

### 11. Cofferdam Grading and Removal

- a. Three of the four walls of the cofferdam were removed by PPM (under separate contract). One hydrographic survey was performed of this area, and Anchor QEA requested a copy for review.

### 12. Fence installation and site restoration

- a. Mike Roberts discussed the general layout of the fence and site restoration with Miles (Jorgensen ) last week. Miles was accepting of the general grading of the site and Mike indicated that the stockpile of clean gravel will be used to finish grade some transitions. Miles indicated he would like the fence 10' from the top of slope; provide a man-gate on the south side of the black shack; and terminate the fence on the north end of the property at the limits of the cofferdam wall.

### Action Items:

Item	Description	Due by	BIC
1	Provide material weight tickets – need from Cal Portland.	9/3/14	PPM
2	Provide survey showing volume of over excavation and backfill placement	9/3/14	PPM
3	PPM to provide schedule for night work next week	ASAP	PPM
4	AQ to update the RAWP modification for night time placement of Rip Rap	ASAP	AQ
5	Provide test results from wheel wash to EPA	ASAP	PPM
6	Review layout of fencing with Miles prior to installation	9/15/14	AQ
7	Prepare decontamination plan for WTB and submit to EPA	ASAP	PPM
8	Provide survey of the cofferdam area to Anchor QEA	ASAP	PPM
9	Make determination on additional analyses needed to further evaluate the potential exceedance of the Total PCBs chronic criterion for samples collected on August 12, 2014	9/3/14	EPA